

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
31 March 2005 (31.03.2005)

PCT

(10) International Publication Number  
WO 2005/029834 A3

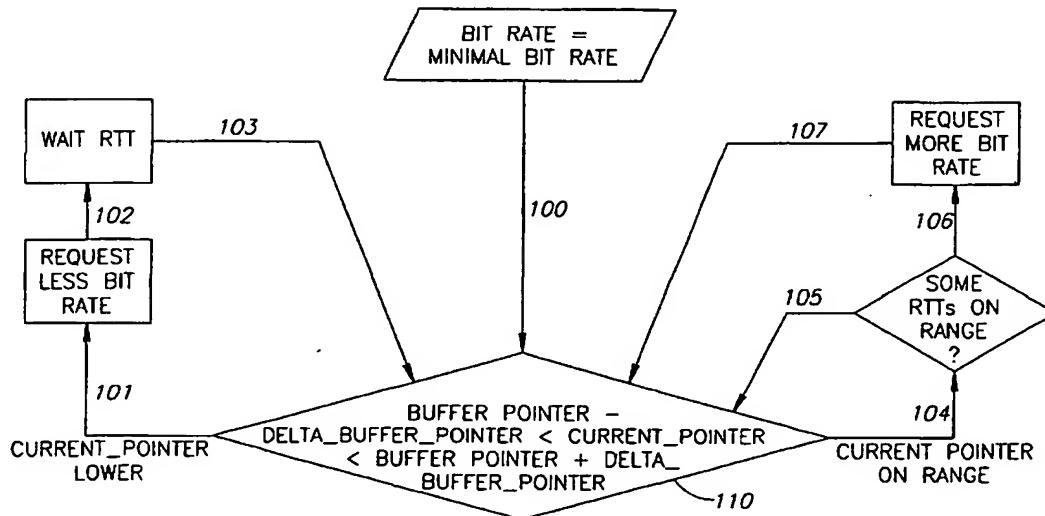
- (51) International Patent Classification<sup>7</sup>: H04N 7/12 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (21) International Application Number: PCT/IL2004/000868
- (22) International Filing Date: 20 September 2004 (20.09.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
158026 21 September 2003 (21.09.2003) IL  
158025 21 September 2003 (21.09.2003) IL
- (71) Applicant (for all designated States except US): SERVISON LTD. [IL/IL]; 11 Hartom St., Har Hozvim, P.O.B. 45205, 91450 Jerusalem (IL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): KRAVTSOV, Dmitry [IL/IL]; Elkali 28a, 75329 Rishon Letzion (IL). TAHAN, Gidon [IL/IL]; 20 Klonimus Street, Ramat Shlomo, Jerusalem (IL).
- (74) Agents: SINAI, Henry et al.; 4 Hamcayadim St., 43350 Ra'anana (IL).
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

{Continued on next page}

- (54) Title: A METHOD FOR GENERATING HIGH QUALITY, LOW DELAY VIDEO STREAMING



WO 2005/029834 A3

- (57) Abstract: A method for generating low delay video streaming is provided. In an embodiment, the bit rate desired for outputting the received video stream is input into a buffer (32 of Fig. 1), determining the size of the buffer according to the bit rate, outputting the video frame (36 of Fig. 1) according to the bit rate and the buffer size by varying the bit rate accordingly to obtain the level of quality and delay period required. Additionally, a header may be assigned to each frame and the sleep time for each frame is allocated prior to the time for frame compression.



(88) Date of publication of the international search report:  
9 June 2005

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*